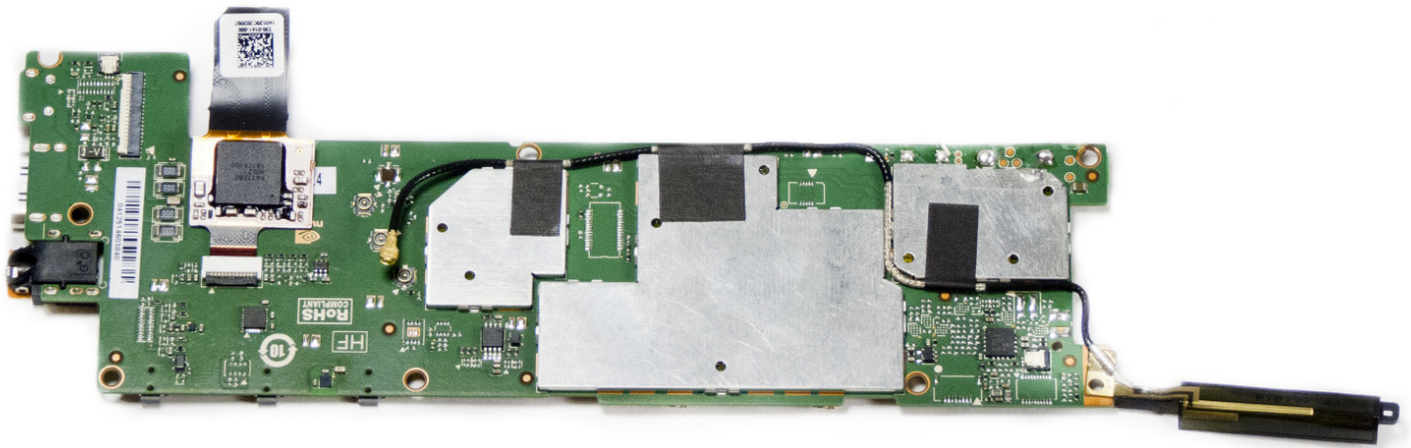




Nvidia Shield Tablet Motherboard Replacement

Follow this guide to safely remove and replace the motherboard of your Nvidia Shield Tablet.

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INTRODUCTION

Use this guide to replace the motherboard in your Nvidia Shield Tablet.

TOOLS:

- [Anti-Static Wrist Strap](#) (1)
 - [Spudger](#) (1)
 - [Precision Tweezers Set](#) (1)
 - [Soldering Station](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Rear Case




- First, remove the stylus from your tablet.

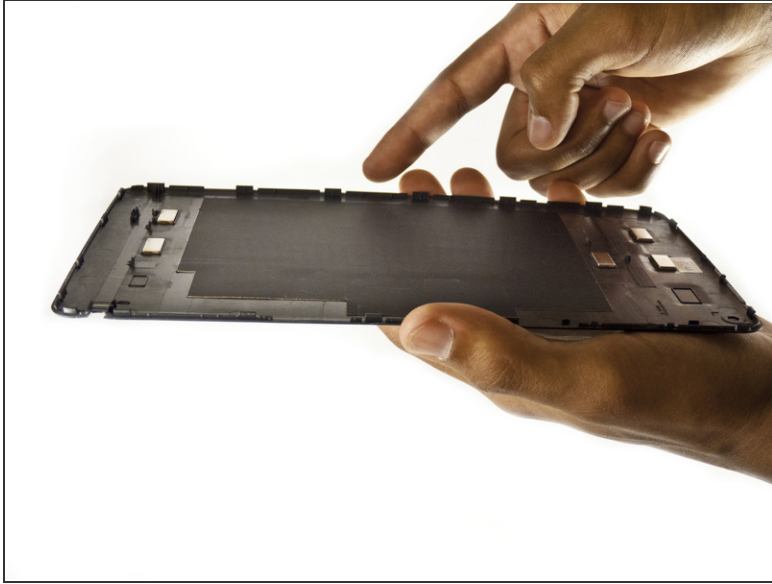
Step 2



- Set the tablet so the buttons, microSD, and stylus port are facing you.
- Open the microSD slot.
- Using the flat end of the spudger tool, carefully pry open the case starting from the microSD slot, slowly sliding the spudger along the inside edge of the case.

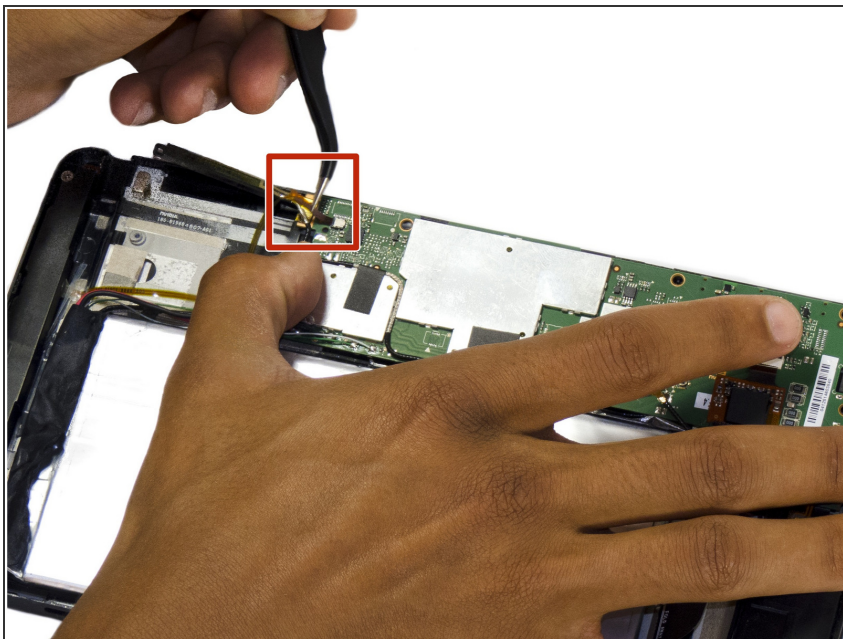
 You may want to put on your anti-static wrist strap at this point as the motherboard will be vulnerable to physical touch and electrostatic shock after the casing is removed.

Step 3



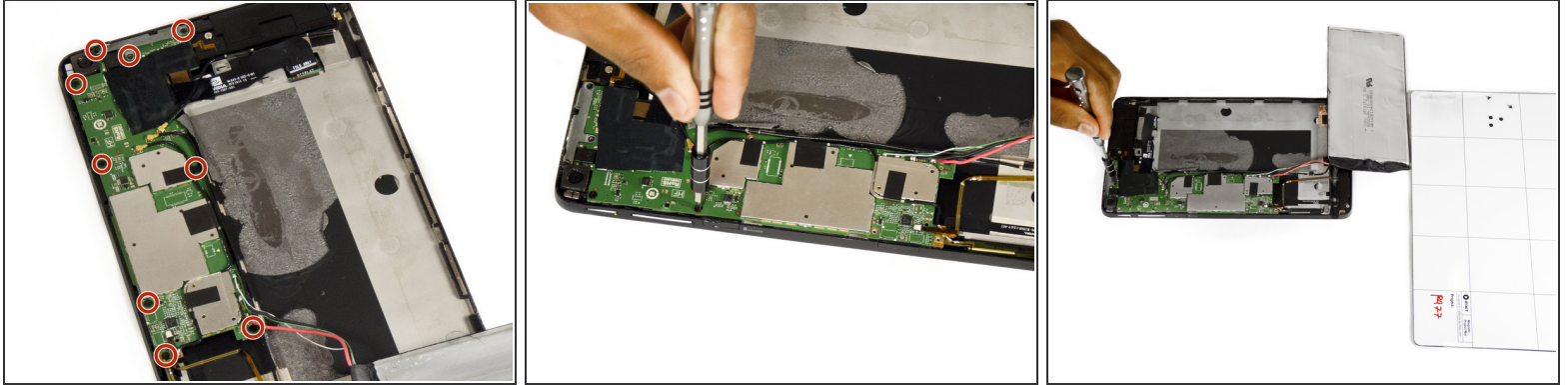
- As you remove your case, be aware of small clips along the edges.
- Finally, set the old casing aside.

Step 4 — Motherboard



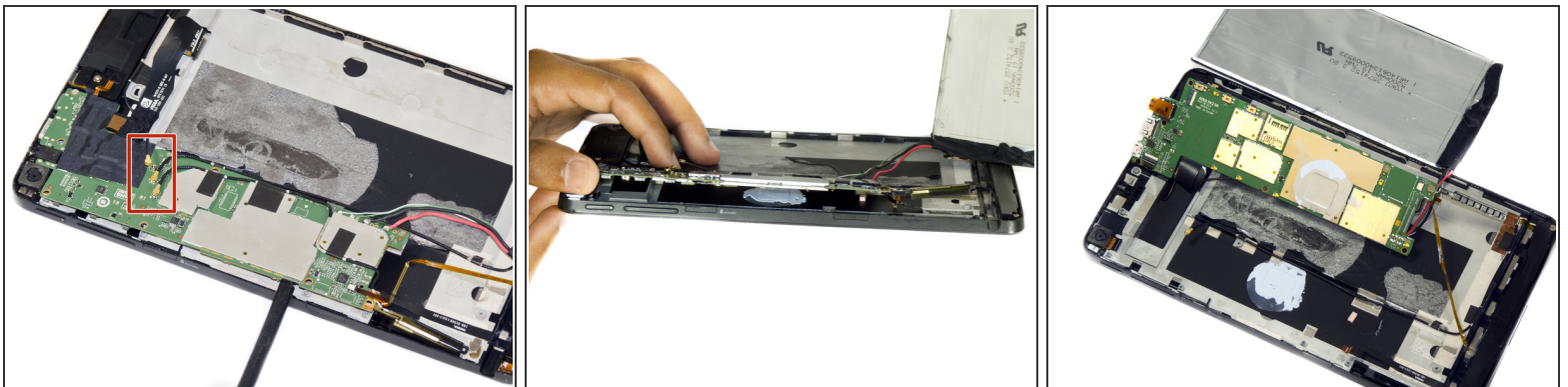
- Carefully use the precision tweezers to unplug the ribbon cable.
- ⚠ Be sure to have your anti-static wrist strap on for this procedure.

Step 5



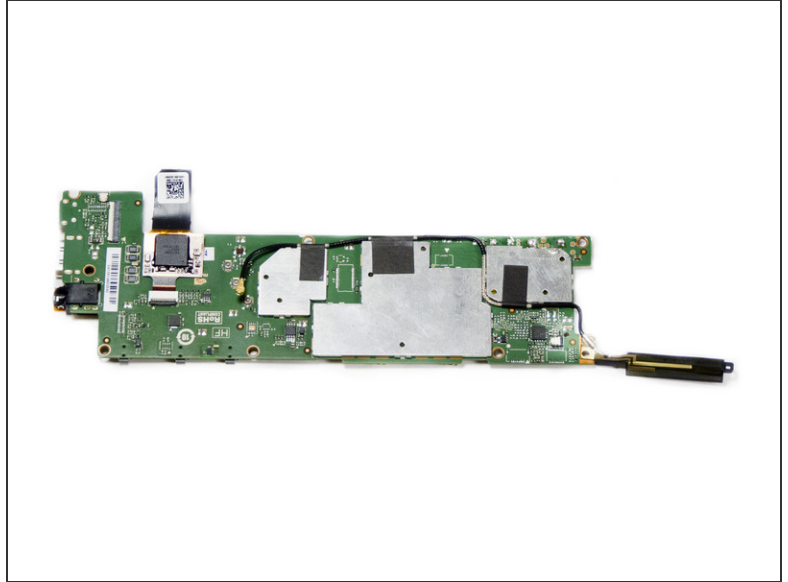
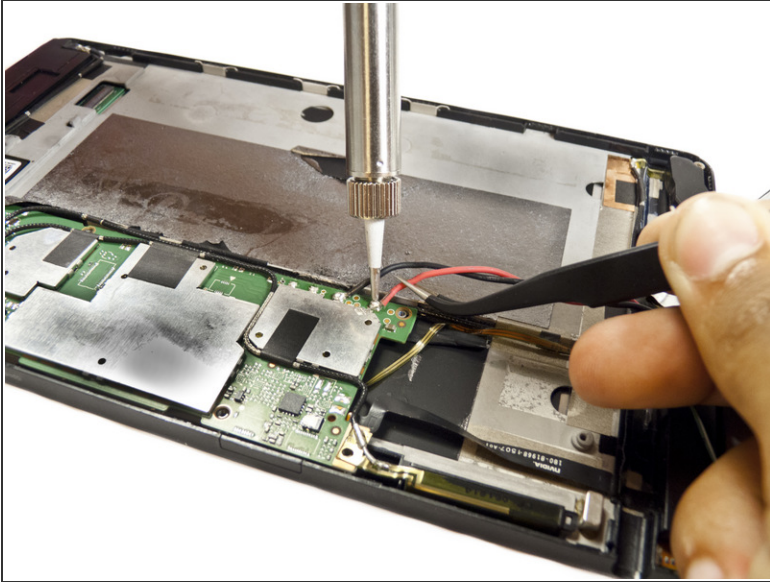
- Remove the two 6.5 mm Phillips #00 screws and seven 3.0 mm Phillips #00 screws.

Step 6



- Use a pair of tweezers to disconnect the three black antenna cables from the motherboard.
- Use the flat end of the spudger tool to carefully pry up the motherboard.
- ⓘ In the first Shield, the stylus ribbon cable is located under the right side of board. While there are 2 additional cables for the cameras underneath the left end of the board. Be sure to loosen the cameras before lifting the board.

Step 7



- Desolder the positive and negative battery cables from the motherboard.
- ☑ Make sure to note which wire goes where, you don't want to re-solder the wires backwards!
- The motherboard should now come free.

To reassemble your device, follow these instructions in reverse order.

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